ITS Inventory

ITS Element	Description
ADEM SEOC	The State of Arizona's State Emergency Operations Center, used to manage emergencies and disaster response.
ADOT 511 IVR	Interactive Voice Response (IVR) telephone system providing statewide traveler information system for the State of Arizona. The 511 system may include travel time information, construction information, roadway incidents, and special events.
ADOT 511 Website	ADOT's www.az511.gov web site provides statewide traveler information system for the State of Arizona. The system includes freeway video images, travel time information, construction information, and roadway incidents. Public access to the information is provided via the internet.
ADOT ALERT Vehicles	Specially equipped vehicles that respond to incidents on the freeways throughout the Phoenix Metro area, providing on-site command and control, portable DMS capability, and more.
ADOT CCTV	Closed Circuit Television Cameras (CCTV) owned and operated by ADOT.
ADOT DMS	Dynamic message signs owned and operated by ADOT. Includes permanent and portable message signs.
ADOT EOC	Arizona Department of Transportation's Emergency Operations Center is used to provide direction and control of ADOT resources during declared emergencies.
ADOT FMS	The Freeway Management System operated from the ADOT Traffic Operations Center in Phoenix.
ADOT HCRS	The Highway Condition Reporting System (HCRS) is ADOT's statewide closure and restriction information central server. HCRS is essentially an internal multi-agency information sharing system, but the information entered into HCRS (planned closures, special events, incidents, advisories) is used to populate the public website (www.az511.gov) and the 511 phone system. The system includes key arterials in the Phoenix metropolitan area, and is web-based to allow other authorized users (such as counties and cities) to enter information about impacts on arterial corridors.
ADOT HCRS AOI	This system provides automated alerts from the ADOT HCRS to public agencies based on incidents/events that happen in a particular area of concern for that public agency.
ADOT Lane Management Infrastructure	ADOT-owned infrastructure to support integrated corridor management strategies such as variable speed limits, queue warning systems, lane control signs, shoulder running infrastructure/detection, etc. as part of future integrated corridor management or active traffic management strategies for freeway traffic.
ADOT Maintenance Group	The maintenance department responsible for maintaining state-owned roadways and ITS field equipment.
ADOT Ramp Meters	Ramp metering devices that are owned and operated by ADOT.
ADOT TOC	The Traffic Operations Center (TOC) that monitors traffic conditions throughout the State of Arizona. The TOC also controls other ITS field equipment, such as CCTV cameras and dynamic message signs owned by ADOT.
ADOT Traffic Signals	Traffic signals owned and operated by the Arizona Department of Transportation.
ADOT Vehicle Detectors	Traffic and vehicle sensors owned and operated by ADOT used primarily for monitoring traffic flow conditions on freeways.
Arizona DPS	Dispatch center for the Arizona DPS.
Arizona DPS FSP	Freeway Service Patrol (FSP) vehicles provides assistance to motorists stranded on freeways in the event of minor accidents or disabled vehicles, and provides prompt clearance of traffic incidents.
Arizona DPS Vehicles	Represents the ITS equipment, such as mobile data terminals, in the Arizona DPS vehicles.
Arizona Emergency Alert System	The Arizona Emergency Alert System provides state and local authorities with the ability to provide emergency information to the general public via broadcast stations, cable and wireless cable systems. ADEM coordinates with the National Weather Service, the Department of Public Safety (DPS), and the Arizona Broadcaster's Association to ensure that the EAS is functioning and reaching all intended recipients.
AZTech RADS	The Regional Archive Data Server (RADS) serves as the archive and the source of regional data including freeway and arterial traffic volumes, occupancy, speed, incident data and travel times.

ITS Element	*Description*
City of Avondale CCTV	Closed Circuit Television Cameras (CCTV) owned and operated by the City of Avondale.
City of Avondale DMS	Dynamic message signs owned and operated by the City of Avondale. Includes permanent and portable message signs.
City of Avondale TMC	The Traffic Management Center (TMC) that controls the traffic signal system and other ITS field equipment owned by the City of Avondale.
City of Avondale Traffic Signals	Traffic signals owned and operated by the City of Avondale.
City of Avondale Vehicle Detectors	Traffic and vehicle sensors owned and operated by the City of Avondale, used primarily for monitoring traffic flow conditions on the roadways.
City of Chandler CCTV	Closed Circuit Television Cameras (CCTV) owned and operated by the City of Chandler.
City of Chandler DMS	Dynamic message signs owned and operated by the City of Chandler. Includes permanent and portable message signs.
City of Chandler TMC	The Traffic Management Center (TMC) that controls the traffic signal system and other ITS field equipment owned by the City of Chandler.
City of Chandler Traffic Signals	Traffic signals owned and operated by the City of Chandler.
City of Chandler Vehicle Detectors	Traffic and vehicle sensors owned and operated by the City of Chandler used primarily for monitoring traffic flow conditions on the roadways. This includes loop and video image detection as well as Bluetooth detection for arterial travel time purposes.
City of Glendale CCTV	Closed Circuit Television Cameras (CCTV) owned and operated by the City of Glendale.
City of Glendale DMS	Dynamic message signs owned and operated by the City of Glendale. Includes permanent and portable message signs.
City of Glendale HAWK Signals	Pedestrian-activated cross walks at mid-block intersections of bike/pedestrian trails and arterial streets.
City of Glendale Parking Management System	Parking management systems for the City of Glendale to enable monitoring of parking availability in the area.
City of Glendale Reversible Lane Control Devices	Lane control signals for reversible lanes, on the surface streets in the City of Glendale to support event management.
City of Glendale TMC	The Traffic Management Center (TMC) that controls the traffic signal system and other ITS field equipment owned by the City of Glendale.
City of Glendale Traffic Signals	Traffic signals owned and operated by the City of Glendale.
City of Glendale Vehicle Detectors	Traffic and vehicle sensors owned and operated by the City of Glendale used primarily for monitoring traffic flow conditions on the roadways. This includes loop and video image detection as well as Bluetooth detection for arterial travel time purposes.
City of Goodyear CCTV	Closed Circuit Television Cameras (CCTV) owned and operated by the City of Goodyear.
City of Goodyear DMS	Dynamic message signs owned and operated by the City of Goodyear. Includes permanent and portable message signs.
City of Goodyear TMC	The Traffic Management Center (TMC) that controls the traffic signal system and other ITS field equipment owned by the City of Goodyear.
City of Goodyear Traffic Signals	Traffic signals owned and operated by the City of Goodyear.
City of Goodyear Vehicle Detectors	Traffic and vehicle sensors owned and operated by the City of Goodyear, used primarily for monitoring traffic flow conditions on the roadways.
City of Mesa CCTV	Closed Circuit Television Cameras (CCTV) owned and operated by the City of Mesa.
City of Mesa DMS	Dynamic message signs owned and operated by the City of Mesa. Includes permanent and portable message signs.
City of Mesa TMC	The Traffic Management Center (TMC) that controls the traffic signal system and other ITS field equipment owned by the City of Mesa.
City of Mesa Traffic Signals	Traffic signals owned and operated by the City of Mesa.
City of Mesa Vehicle Detectors	Traffic and vehicle sensors owned and operated by the City of Mesa used primarily for monitoring traffic flow conditions on the roadways.
City of Peoria CCTV	Closed Circuit Television Cameras (CCTV) owned and operated by the City of Peoria.
City of Peoria DMS	Dynamic message signs owned and operated by the City of Peoria. Includes permanent and portable message signs.

ITS Element	*Description*
City of Peoria TMC	The Traffic Management Center (TMC) that controls the traffic signal system and other ITS field equipment owned by the City of Peoria.
City of Peoria Traffic Signals	Traffic signals owned and operated by the City of Peoria.
City of Peoria Vehicle Detectors	Traffic and vehicle sensors owned and operated by the City of Peoria used primarily for monitoring traffic flow conditions on the roadways.
City of Phoenix CCTV	Closed Circuit Television Cameras (CCTV) owned and operated by the City of Phoenix.
City of Phoenix DMS	Dynamic message signs owned and operated by the City of Phoenix. Includes permanent and portable message signs.
City of Phoenix HAWK Signals	Pedestrian-activated cross walks at mid-block intersections of bike/pedestrian trails and arterial streets owned by City of Phoenix.
City of Phoenix Lane Control Signs	Lane control signals for Downtown Traffic Management System on the surface streets in the City of Phoenix to support event management.
City of Phoenix TMC	The Traffic Management Center (TMC) that controls the traffic signal system and other ITS field equipment owned by the City of Phoenix.
City of Phoenix Traffic Signals	Traffic signals owned and operated by the City of Phoenix.
City of Phoenix Vehicle Detectors	Traffic and vehicle sensors owned and operated by the City of Phoenix used primarily for monitoring traffic flow conditions on the roadways.
City of Scottsdale CCTV	Closed Circuit Television Cameras (CCTV) owned and operated by the City of Scottsdale.
City of Scottsdale DMS	Dynamic message signs owned and operated by the City of Scottsdale. Includes permanent and portable message signs.
City of Scottsdale HAR	City-owned highway advisory radios that are used in conjunction with flashing beacons to alert arterial drivers of traveler information available on a dedicated radio station.
City of Scottsdale TMC	The Traffic Management Center (TMC) that controls the traffic signal system and other ITS field equipment owned by the City of Scottsdale.
City of Scottsdale Traffic Signals	Traffic signals owned and operated by the City of Scottsdale.
City of Scottsdale Vehicle Detectors	Traffic and vehicle sensors owned and operated by the City of Scottsdale used primarily for monitoring traffic flow conditions on the roadways.
City of Surprise CCTV	Closed Circuit Television Cameras (CCTV) owned and operated by the City of Surprise.
City of Surprise DMS	Dynamic message signs owned and operated by the City of Surprise. Includes permanent and portable message signs.
City of Surprise TMC	The Traffic Management Center (TMC) that controls the traffic signal system and other ITS field equipment owned by the City of Surprise.
City of Surprise Traffic Signals	Traffic signals owned and operated by the City of Surprise.
City of Surprise Vehicle Detectors	Traffic and vehicle sensors owned and operated by the City of Surprise used primarily for monitoring traffic flow conditions on the roadways.
City of Tempe CCTV	Closed Circuit Television Cameras (CCTV) owned and operated by the City of Tempe.
City of Tempe DMS	Dynamic message signs owned and operated by the City of Tempe. Includes permanent and portable message signs.
City of Tempe HAWK Signals	Pedestrian-activated cross walks at mid-block intersections of bike/pedestrian trails and arterial streets owned by City of Tempe.
City of Tempe TMC	The Traffic Management Center (TMC) that controls the traffic signal system and other ITS field equipment owned by the City of Tempe.
City of Tempe Traffic Signals	Traffic signals owned and operated by the City of Tempe.
City of Tempe Vehicle Detectors	Traffic and vehicle sensors owned and operated by the City of Tempe used primarily for monitoring traffic flow conditions on the roadways.
Connected Vehicle Road Infrastructure Devices	This element represents the roadside equipment that performs Connected Vehicle data collection and dissemination.
Driver	Vehicle drivers.
East Valley Dial-A-Ride Archived Data Server	Transit archived data of transit statistics, including passenger, inventory, and fare data.

ITS Element	*Description*
East Valley Dial-A-Ride Transit Dispatch	East Valley Dial-A-Ride service is a partnership among six public agencies: City of Mesa, City of Chandler, City of Tempe, City of Scottsdale, Town of Gilbert, and the Regional Public Transportation Authority (RPTA). These municipal agencies have entered into an agreement with RPTA for the management and operation of the East Valley Dial-A-Ride service. Service is provided for citizens who are ADA-certified, persons with disabilities, and seniors.
East Valley Dial-A-Ride Transit Vehicles	Represents the ITS equipment installed on the paratransit vehicles that are owned and operated for East Valley Dial-A-Ride services. Capabilities may include Automated Vehicle Location (AVL).
Flood Control District of Maricopa County ALERT	The ALERT (Automated Local Evaluation in Real Time) system provides "real-time" information to Maricopa County and other agencies about rainfall, floods and weather conditions in Maricopa County. The network consists of weather stations, rain, stream and weather gages . The weather station provides 15-minute observations of air temperature, relative humidity, dew point, wind speed, wind direction, wind gust, solar radiation, barometric pressure, and precipitation.
Flood Control District of Maricopa County Weather Sensors	The sensors consist of weather stations, rain, stream and weather gages . The weather station provides 15-minute observations of air temperature, relative humidity, dew point, wind speed, wind direction, wind gust, solar radiation, barometric pressure, and precipitation.
Independent Fare Collection System Server	Independent transit fare collection clearinghouse to reconcile transit payments for Valley Metro.
Independent School District Buses	Represents the ITS equipment, such as mobile data terminals, on buses owned and operated by the independent school districts. May come equipped with security measures.
Independent School Districts Dispatch	Dispatch function for each of the independent school districts in the Region. Includes radio communication with school buses.
ITIP Sensors	Traffic vehicles sensors operated and maintained for the Intelligent Transportation Infrastructure Program (ITIP).
Local City and Municipal Archived Data	Information data archive used for storing pertinent travel statistics such as traffic counts, roadway incidents, events, and other traffic information.
Local City and Municipal ITS Field Equipment	Represents the ITS field equipment, including traffic signals, CCTV cameras, and dynamic message signs, owned and operated by other cities and municipalities that are not explicitly called out in the regional ITS architecture.
Local City and Municipal REACT Vehicles	Regional Emergency Action Coordinating Team (REACT) provides emergency traffic control for arterial incidents in a jurisdiction which operates its own local REACT team. The City of Surprise is currently the only city operating a local REACT team.
Local City and Municipal TMC	This element is a generic representation of a city or municipal TMC that is used in the description of certain ITS Services. It is used to represent the TMC capability of any city or municipality called out by name in the regional ITS architecture.
Local City and Municipal Traffic Signals	This element is a generalized representation of traffic signals owned by cities or and municipalities that are not explicitly called out in the regional ITS architecture.
Local Dial-A-Ride Transit Dispatches	Dispatch center for the paratransit services provided by local jurisdictions for citizens who are ADA-certified, persons with disabilities, and seniors.
Local Dial-A-Ride Transit Vehicles	Represents the ITS equipment installed on the transit vehicles that are owned and operated by local dial-a-ride services. Capabilities may include Automated Vehicle Location (AVL).
Local EOCs	Represents local emergency operations center (EOC), which are spun up during emergencies to manage the distribution of local services and resources to respond to and recover from a man-caused or natural event of significant impact to the region.
Local Fire and EMS Dispatch	Represents the local city and municipal dispatch center for fire and emergency medical services.
Local Fire/EMS Vehicles	Represents the ITS equipment, such as mobile data terminals, in city and municipal fire and emergency response vehicles.
Local PIOs	Represents the city and municipal systems used to disseminate traffic, roadway construction and transit information to the general public, such as websites, interactive voice response (IVR) systems, etc.
Local Police Dispatch	Represents the local city, municipal and town law enforcement dispatch centers not specifically called out in the MAG Regional ITS Architecture.

ITS Element	*Description*
Local Public Works Divisions	The maintenance divisions responsible for maintaining city- and municipal- owned roadways and ITS field equipment.
Local Speed Monitoring System	Roadside devices to identify vehicles speeding.
Local Transit Providers Dispatch	Dispatch center for other local transit systems in the region that are not specifically called out in the MAG Regional ITS Architecture, including university shuttles, downtown shuttles, or neighborhood circulators.
Local Transit Vehicles	Represents the ITS equipment installed on the transit vehicles that are owned and operated by the cities and municipalities not specifically called out in the MAG Regional ITS Architecture. Capabilities may include Automated Vehicle Location (AVL).
MAG CENS	The Community Emergency Notification System (CENS) is a rapid notification system used to contact the public by telephone during times of emergency. A reverse 911 system, residents receive a recorded message in English and Spanish notifying them of the nature of the emergency, and what steps they should take to eliminate risks associated with the emergency. Any public safety agency in Maricopa County can activate the system, which will be used only for emergency incidents that pose a danger to life or property. Potential uses include emergencies such as major fires, floods, public safety threats, hazardous materials spills, police incidents, and endangered children or elderly persons.
Maricopa County EOC	Maricopa County's Emergency Operations Center (EOC) coordinates emergency operations during disaster-level incidents.
MCDOT ATIS	The Maricopa County Department of Transportation Advanced Traveler Information System (MCDOT ATIS) provides arterial data collection and real-time reporting under the Maricopa County jurisdiction, arterial information made available to ADOT's 511 phone and web, and automated data exchanges between MCDOT and ADOT.
MCDOT CCTV	Closed Circuit Television Cameras (CCTV) owned and operated by Maricopa County DOT.
MCDOT DMS	Dynamic message signs owned and operated by the Maricopa County Department of Transportation. Includes permanent and portable message signs.
MCDOT Maintenance Division	The maintenance division responsible for maintaining county-owned roadways and ITS field equipment.
MCDOT REACT Vehicles	Regional Emergency Action Coordinating Team (REACT) provides emergency traffic control for arterial incidents.
MCDOT TMC	The Traffic Management Center (TMC) that controls the traffic signal system and other ITS field equipment owned by Maricopa County.
MCDOT Traffic Signals	Traffic signals owned and operated by Maricopa County.
MCDOT Vehicle Detectors	Traffic and vehicle sensors owned and operated by Maricopa County used primarily for monitoring traffic flow conditions on the roadways.
MCSO Dispatch Center	Public Answering Point (PSAP) or 911 call center for the Maricopa County.
MCSO Vehicles	Represents the ITS equipment, such as mobile data terminals, in Maricopa County's Sheriffs vehicles.
METRO Light Rail Archived Data Server	Transit archived data of light rail statistics, including passenger, inventory, and fare data.
METRO Light Rail Center Stations/Park and Rides	Transit kiosks owned and operated by Valley Metro for METRO Light Rail. May include an opportunity to purchase a transit card, request trip information, or display notices on LED displays.
METRO Light Rail OCC	Dispatch center for the METRO Light Rail transit trains.
METRO Light Rail OMC	METRO Light Rail Operations Maintenance Center.
METRO Light Rail Transit DMS	Dynamic Message Signs or other types of displays at stations or on-board Light Rail vehicles that provide traveler information, such as estimated arrival times.
METRO Light Rail Vehicles	Represents the ITS equipment installed on the light rail trains.
National Weather Service	Service for national, regional, and local weather information.
Other City and Municipal Public Works	The maintenance divisions responsible for maintaining city- and municipal- owned roadways and ITS field equipment. This element is the same as "Local City and Municipal Public Works", but is included only for mapping purposes.

ITS Element	Description
Other Local Dial-A-Ride Transit Dispatches	Dispatch centers for the paratransit services provided by the local jurisdictions for citizens who are ADA-certified, persons with disabilities, and seniors. This inventory item is used to represent how a single local Dial-A-Ride service coordinates with other local Dial-A-Ride services even if they are specified in the architecture.
Other Police Dispatch	Represents the dispatch center for other non-municipal law enforcement providers not specifically called out in the MAG regional ITS architecture. This includes tribal police dispatches and campus police dispatches.
Personal Information Devices	Personal devices used by the traveling public. Includes PCs, wireless phones, etc.
Phoenix Dial-A-Ride Archived Data Server	Transit archived data of transit statistics, including passenger and inventory for the City of Phoenix.
Phoenix Dial-A-Ride Pass	Smart Card used for Phoenix Dial-A-Ride
Phoenix Dial-A-Ride Transit Dispatch	Dispatch center for the paratransit services provided by the City of Phoenix Public Transit Department for citizens who are ADA-certified, persons with disabilities, and seniors.
Phoenix Dial-A-Ride Transit Vehicles	Represents the ITS equipment installed on the transit vehicles that are owned and operated by the City of Phoenix. Capabilities may include Automated Vehicle Location (AVL).
Phoenix Fire Department Regional Dispatch Center	Dispatch center for fire and emergency medical services for City of Phoenix as well as 18 other local fire departments in the region. Phoenix Fire is a centralized dispatching of closest vehicles to incident for fire agencies.
Phoenix Fire/EMS Vehicles	Represents the ITS equipment, such as mobile data terminals, in the City of Phoenix's fire and emergency response vehicles.
Phoenix Metropolitan C2C CCTV Network	Video sharing capability through the center-to-center Regional Community Network (RCN) in metropolitan Phoenix.
Phoenix Police Dispatch	Dispatch center for the City of Phoenix's police department.
Phoenix Public Transit Archived Data Server	Transit archived data of light rail statistics, including passenger, inventory, and fare data.
Phoenix Public Transit Bus Stops	Bus stops equipped with location and traveler information devices including NextRide Signs.
Phoenix Public Transit OCC	Dispatch center for Phoenix Public Transit's fixed route transit buses.
Phoenix Public Transit Vehicles	Represents the ITS equipment installed on the fixed-route transit buses that are owned and operated by Phoenix Public Transit. Capabilities may include Automated Vehicle Location (AVL).
Phoenix Sky Harbor SkyTrain	Phoenix Sky Harbor International Airport people mover that provides transit for travelers connecting to local Valley Metro multi-modal transit stops.
Private Traveler Information Systems	Private traveler information providers serving the region. This could include in-vehicle navigation systems, media, web sites and others. Information may be collected by other private services to host on their traveler pages, such as Google or other mapping providers.
Private Vehicles	Vehicles owned by travelers.
Public Safety Video Distribution System	Secure system to exchange CCTV video images between transportation agencies and law enforcement/public safety agencies.
Rail Operators Wayside Equipment	The rail operated equipment at highway rail intersections. Interconnect with the region's traffic control departments.
Town of Gilbert CCTV	Closed Circuit Television Cameras (CCTV) owned and operated by the Town of Gilbert.
Town of Gilbert DMS	Dynamic message signs owned and operated by the Town of Gilbert. Includes permanent and portable message signs.
Town of Gilbert TMC	The Traffic Management Center (TMC) that controls the traffic signal system and other ITS field equipment owned by the Town of Gilbert.
Town of Gilbert Traffic Signals	Traffic signals owned and operated by the Town of Gilbert.
Town of Gilbert Vehicle Detectors	Traffic and vehicle sensors owned and operated by the Town of Gilbert used primarily for monitoring traffic flow conditions on the roadways.
Town of Queen Creek CCTV	Closed Circuit Television Cameras (CCTV) owned and operated by the Town of Queen Creek.

ITS Element	*Description*
Town of Queen Creek TMC	The Traffic Management Center (TMC) that controls the traffic signal system and other ITS field equipment owned by the Town of Queen Creek.
Town of Queen Creek Traffic Signals	Traffic signals owned and operated by the Town of Queen Creek.
Traffic	Collective body of vehicles operating in the region
TV and Radio Stations	Local TV, radio, and newspapers.
Valley Metro Archived Data Server	Transit archived data of transit statistics, including passenger and inventory.
Valley Metro Center Stations/Park and Rides	Transit kiosks owned and operated by Valley Metro. May include an opportunity to purchase a transit card, request trip information, or display notices on LED displays.
Valley Metro Customer Service	All dispatching and coordination for Valley Metro services is centralized in this Customer Service center.
Valley Metro NextRide	NextRide service provides next bus information via text or phone call to transit travelers by bus stop number.
Valley Metro OCC	Dispatch center for Valley Metro's fixed route transit buses.
Valley Metro Pass	Smart Card used for transit vehicles and light rail trains.
Valley Metro Transit DMS	Dynamic Message Signs providing transit traveler information, such as estimated arrival times.
Valley Metro Transit Vehicles	Represents the ITS equipment installed on the fixed-route transit buses that are owned and operated by Valley Metro. Capabilities may include Automated Vehicle Location (AVL).
Valley Metro Website	Valley Metro website which provides fare and schedule information to the general public. Also provides transit schedule updates, trip planning information, information to paratransit services in the region, and vanpool reservations. Includes regionwide NextRide system that provides next bus information to travelers via text/mobile access as well as via displays at transit stops.